ecology and environment, inc.
Global Environmental Specialists
720 Third Avenue, Suite 1700
Seattle, Washington 98104
Tel: (206) 624-9537, Fax: (206) 621-9832

October 23, 2015

Michael Sibley II, On-Scene Coordinator
United States Environmental Protection Agency
1200 Sixth Avenue
Seattle, Washington 98101

Re: Final Trip Report for the Odessa Biodiesel Site
Contract Number EP-S7-13-07, Technical Direction Document Number 15-03-0004

Dear Mr. Sibley:

Enclosed please find the Final Trip Report for the Odessa Biodiesel site located in Odessa, Lincoln County, Washington. If you have any question regarding this submittal, please call David Burford or me at (206) 624-9537.

Sincerely,

ECOLOGY AND ENVIRONMENT, INC.

Brad Martin

Brad Martin
START-IV Team Leader

cc: David Burford, START-IV Project Manager, E & E, Seattle, WA

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FINAL TRIP REPORT

Odessa Biodiesel Site
Odessa, Washington
TDD: 15-03-0004

Prepared for

U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue
Seattle, Washington 98101

Prepared by

Ecology and Environment, Inc.
720 Third Avenue, Suite 1700
Seattle, Washington 98104

October 2015

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1. PLACE VISITED

Site Name	Odessa Biodiesel
Owner/Responsible Party Name	TransMessis Columbia Plateau / Odessa Public Development Authority
Location	Odessa, Lincoln County, Washington
SSID	10NV
CERCLIS ID	WAN001001366
Latitude	47.33414
Longitude	-118.69531
Date(s) of Trip	March 12 and 18 – 27, 2015

2. PURPOSE

The United States Environmental Protection Agency (EPA) has tasked Ecology and Environment, Inc. (E & E), under Superfund Technical Assessment and Response Team (START) contract number EP-S7-13-07, Technical Direction Document number 15-03-0004, to support EPA for the Odessa Biodiesel site.

EPA support was requested from Washington State Department of Ecology (WDOE) to assess the site after performing a series of exterior and interior site visits to investigate concerns about improper storage or abandonment of potentially hazardous chemicals.

START was tasked to record site conditions through logbook entries and photographic documentation in order to provide technical assistance to the EPA. Figures showing the overview of the site and the facility building can be found in Attachment A. Attachment B contains photographs taken from the Odessa Biodiesel site. START was requested to inventory chemical containers present on site and perform hazard categorization as needed. The Emergency Rapid Response Services (ERRS) contractor was tasked with the removal of all the hazardous materials left on site.

3. PERSONS INVOLVED

Agency	Contact Persons	Phone Number
EPA	Michael Sibley	206-553-1886
START	David Burford	206-624-9537
START	Eric Nuchims	206-624-9537
START	Mike Worden	206-624-9537
START	Eric Lindeman	206-624-9537
(b)		
Ecology	Jerry French	509-329-3489

4. BACKGROUND

TransMessis Columbia Plateau, LLC (TransMessis) ran a biodiesel production facility on the property until June 2014 when it was abruptly shut down and all employees terminated. The property is owned by Odessa Public Development Authority (ODPA) who had also leased the facility to a previous company for biodiesel production (Inland Empire Oilseed).

On March 4, 2015, Jerry French, with the Ecology Hazardous Waste & Toxics Reduction Program, conducted a visual inspection of the exterior of the facility after failing to gain contact with the operators. Mr. French eventually contacted ODPA and was informed that TransMessis had ceased operations and removed all chemicals from the facility. During the inspection, Mr. French observed many conditions from the exterior of the facility that indicated this was not the case. Several 55-gallon drums were discovered in various states of integrity. Some of the drums were open and several had labels indicating hazardous contents. Three large above ground storage tanks (ASTs), approximately 10,000 gallons each, were located in a concrete containment that contained an apparent mix of chemicals and rainwater. Gauges on the side of the tanks indicated at least one of the tanks was full and labelled as methanol. Mr. French was also able to observe through windows in doors the presence of chemical containers inside the facility's main building.

Mr. French obtained access and performed an inspection of the interior of the building on March 10, 2015 with representatives from ODPA. He found many issues regarding improperly stored chemicals and potentially hazardous substances. Several tanks were found to be leaking and in general poor condition. Corrosion and crystals were noted on several tanks. Several leaks were noted under and around the tanks, impacting the concrete. A large number of totes containing contaminated beads were discovered as well as totes containing large quantities of fatty acids. Several different classes of chemicals were found, including incompatible materials stored adjacent to each other. Several other large process tanks were present in the building and were difficult to assess at that time.

EPA, START and ERRS assessed the facility with ODPA on March 12, 2015. Due to findings on that day that confirmed the conditions that Mr. French observed, EPA decided to mobilize on March 17, 2015 to conduct a time critical removal action to address the chemicals and potentially hazardous substances stored in and around the building.

5. ACTIVITIES

START's activities for the removal action were performed in compliance with a site-specific health and safety plan (2014a) and in accordance with a site-specific sampling plan (2014b), which included standard operating procedures and methods followed by START during field activities. Site data was managed in accordance with the site-specific data management plan (2014c).

EPA, START and ERRS arrived on site at the facility on March 17, 2015 to meet with ODPA, gain access to the building, and begin working on logistics and planning. ERRS contracted with Stericycle as the disposal contractor to manifest and transport waste from the site.

Site activities formally began on Wednesday, March 18, 2015. ERRS began organizing loose laboratory chemicals into labpacks and assessing many of the totes. START assisted ERRS in the assessment phase with hazard categorization support and inventory of chemical containers.

Over the next week, ERRS continued to consolidate and stage containers and waste streams as space allowed and trucks were scheduled. START assisted with hazard categorization to support site activities, which was performed in the facility laboratory. The “First Step” method of hazard categorization was utilized during this removal action, in which a select sequence of tests was used to determine the hazard class. As results were generated, samples were returned to the staging area for placement into the appropriate waste category. START members also collected and maintained an inventory of chemicals and containers that were found on site.

Hazard categorization results were used to determine if the physical properties matched the likely contents based on information provided by a former facility foreman. For containers with unknown chemicals, the hazard categorization results were used to provide an initial assessment of their hazard classes and waste streams. All large tanks with contents were sampled, and samples were collected from smaller containers that were representative of major waste types. Also, several samples were collected to determine if a subset of containers belonged in a singular profile. After these criteria were met, ERRS designated additional containers for sampling to assist with disposal efforts. In total, 44 samples were collected and categorized, and hazard categorization results are found in Attachment C.

Whole Energy, a biofuels company, was able to recycle or reuse large quantities of certain products after quality control testing. They removed large quantities of methanol (15,000 gallons) and glycerin (6,000 gallons). The rest was processed by Stericycle to various facilities depending on the waste stream.

On March 27, 2015 the contents of the last remaining ASTs were removed with vacuum trucks, and START, ERRS and EPA departed the site. A summary of the manifests for the wastes that were sent off site for disposal can be found in Attachment D.

6. SUMMARY AND CONCLUSIONS

In summary, from March 17 through March 27, 2015, the EPA OSC, along with START and ERRS contractors completed a chemical inventory and assessment, along with hazard categorization activities, segregation and consolidation of the waste streams, loading of liquid waste into tanker trucks and packaging of various chemical wastes into labpacks or overpacks as appropriate.

A total of 50,000 gallons of material that was found on site was categorized as flammable; 30,000 gallons demonstrated characteristics of corrosivity; and 15,200 gallons was designated as poisonous. Note that some chemicals were listed in multiple hazard categories, as applicable. A summary of the 10 largest chemical/waste categories can be found in Table 1: Common Waste and Hazard Categories.

Table 1: Common Waste and Hazard Categories

Chemical/Waste	Containers	Quantity (gal)	Flammability	Corrosivity	Toxicity
Methanol/Methylate mixture	8 Tanks, 17 Totes	24,500	X	X	
Methanol	1 Tank	15,000	X		
vegetable solids	57 Totes	8,500			
vegetable oil	1 Tank	5,000	X		
glycerine	4 Tanks	5,000			
Ion Exchange Beads	~50 Poly Totes	4,500	X	X	
Sodium Hydroxide	4 Totes	800		X	
Sulfuric Acid	2 Totes	500		X	
Citric Acid	1 Tote	250		X	
Ethanox	4 Drums	150	X		X
Total		**64,200**	**49,000**	**35,500**	**150**

According to the final inventory, an estimated 68,500 gallons of chemicals, hazardous materials, and wastes were discovered on site and properly disposed of or recycled off site. In addition, there were numerous totes and tanks that contained flammable solids (ion exchange resin contaminated with sodium

methoxide). The estimated volume of these solids is 4,500 gallons. There were also several instances of spills and chemicals stored without regard to chemical compatibility.

Whole Energy, a biofuels company, removed large quantities of methanol (15,000 gallons) and glycerin (6,000 gallons). Whole Energy plans to recycle or reuse the products in their biodiesel business. This eliminated the requirement to dispose of perfectly usable product which was abandoned on site.

Results of on-site hazardous categorization testing and generator knowledge confirmed the presence of abandoned hazardous wastes, including ignitable, corrosive, and toxic wastes. EPA performed a removal action to manifest, transport, and dispose of the chemicals and hazardous wastes. The chemical wastes were inventoried and bulked into waste streams and lab packs according to hazard classes, and the wastes were removed from the site for appropriate disposal at multiple off-site facilities. With these mitigation factors completed, the facility no longer represented a threat to human health and the environment.

7. REFERENCES

Ecology and Environment, Inc., April, 2014a, Site-Specific Health and Safety Plan, Odessa Biodiesel Site, prepared for the United States Environmental Protection Agency, Seattle, Washington, under Contract No. EP-S7-13-07, TDD No. 15-03-0004.

_____, April, 2014b, Site-Specific Sampling Plan, Odessa Biodiesel Site, prepared for the United States Environmental Protection Agency, Seattle, Washington, under Contract No. EP-S7-13-07, TDD No. 15-03-0004.

_____, April, 2014c, Site-Specific Data Management Plan, Odessa Biodiesel Site, prepared for the United States Environmental Protection Agency, Seattle, Washington, under Contract No. EP-S7-13-07, TDD No. 15-03-0004.

ATTACHMENT A
Site Figures

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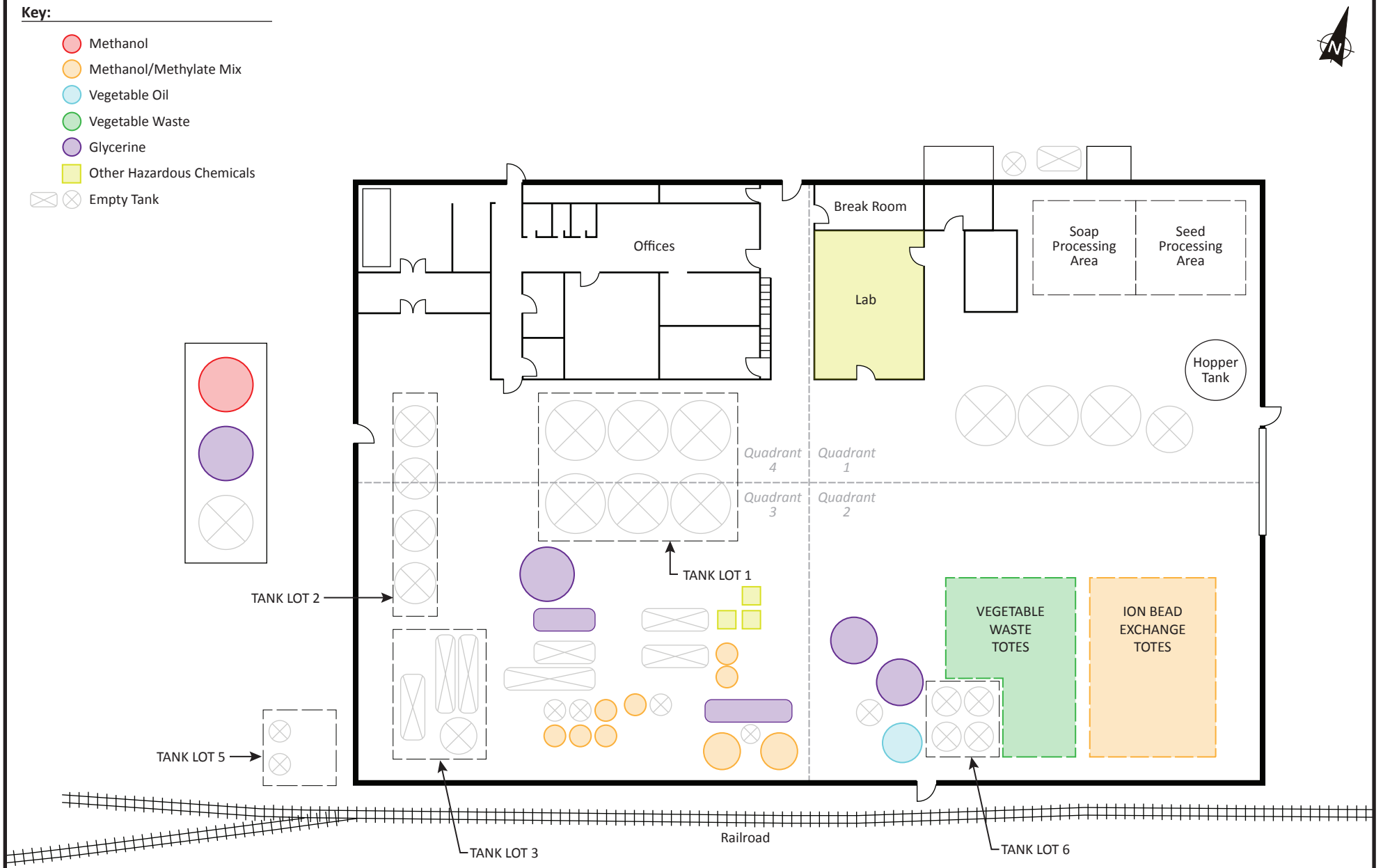
ecology and environment, inc.
Global Environmental Specialists
Seattle, Washington

ODESSA BIODIESEL
Odessa, Washington

0 50 100
Approximate Scale in Feet

Figure 1
SITE OVERVIEW

Date:	Drawn by:	
8/19/15	AES	10:START IV\15030004\fig 1



ecology and environment, inc.
Global Environmental Specialists
Seattle, Washington

ODESSA BIODIESEL
Odessa, Washington

Figure 2
FACILITY LAYOUT

Not to Scale

Date: 8/19/15

Drawn by: AES

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ATTACHMENT B
Photo Documentation

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ODESSA BIODIESEL
Odessa, Washington

TDD Number: 15-03-0004
Photographed by: Michael Worden (MW), Eric Lindeman (EL),
David Burford (DB), Jerry French - Ecology (JF)

Photo 1 Front of facility as seen on 03/10/15 site walk.

Direction: *East* *Date: 3/10/15* *Time:* *Taken by: JF*

Photo 2 Exterior tanks as seen on 03/10/15 site walk.

Direction: *South* *Date: 3/10/15* *Time:* *Taken by: JF*

Photo 3 Mislabeled totes containing vegetable waste.

Direction: *Northwest* *Date: 3/12/15* *Time: 08:16* *Taken by: MW*

Photo 4 Totes containing contaminated ion exchange beads.

Direction: *South* *Date: 3/12/15* *Time: 08:16* *Taken by: MW*

Photo 5 Panoramic view of facility and Crab Creek.

Direction: *East* *Date: 3/12/15* *Time: 10:44* *Taken by: MW*

Photo 6 Sodium hydroxide stored next to and above a sulfuric acid tote and a tote marked flammable.

Direction: *Southeast* *Date: 3/18/15* *Time: 16:15* *Taken by: MW*

Photo 7 ERRS evaluating settling tanks to determine contents and volume.

Direction: *South* *Date: 3/18/15* *Time: 15:57* *Taken by: MW*

Photo 8 Large holding tanks to the west of the facility.

Direction: *South* *Date: 3/19/15* *Time: 09:18* *Taken by: EL*

Photo 9 Overpacked contaminated ion exchange resins to be removed as solid waste.

Direction: *West* *Date: 3/19/15* *Time: 15:32* *Taken by: DB*

Photo 10 Totes of vegetable oil staged to be removed.

Direction: *Southeast* *Date: 3/19/15* *Time: 15:32* *Taken by: DB*

Photo 11 Staged totes of vegetable oil in facility.

Direction: *Southeast* *Date: 3/20/15* *Time: 09:19* *Taken by: EL*

Photo 12 ERRS solidifying contents in vegetable waste totes.

Direction: *Southwest* *Date: 3/20/15* *Time: 09:13* *Taken by: EL*

Photo 13 ERRS staging and consolidating vegetable waste in totes west of facility.

Direction: *East* *Date: 3/20/15* *Time: 12:23* *Taken by: EL*

Photo 14 Removal of waste beads from ion towers before placement into 55 gal drums.

Direction: *West* *Date: 3/20/15* *Time: 13:58* *Taken by: EL*

Photo 15 Overview of methanol extraction area as removal activities continue.

Direction: *Southwest* *Date: 3/23/15* *Time: 08:39* *Taken by: EL*

Photo 16 Tank Lot 1 contains tanks used for final biodiesel product. These were found to be empty.

Direction: *West* *Date: 3/23/15* *Time: 08:53* *Taken by: EL*

Photo 17 WholeEnergy truck pumping out glycerine products for recycling.

Direction: *Northeast* *Date: 3/25/15* *Time: 08:33* *Taken by: EL*

Photo 18 Interior of facility once wastes in totes have been removed.

Direction: *Southeast* *Date: 3/26/15* *Time: 07:47* *Taken by: EL*

Photo 19 Area D3 after totes have been consolidated and cleared.

Direction: *Northwest* *Date: 3/26/15* *Time: 10:25* *Taken by: EL*

Photo 20 Final picture of facility where totes were initially stored.

Direction: *East* *Date: 3/27/15* *Time: 07:47* *Taken by: EL*

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ATTACHMENT C
Hazard Categorization Results

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FirstStep Results for Odessa Biodiesel

ID	Hazard	Date	State	Color	Viscosity	Turbidity	Water	Solubility	pH	Oxidizer	Sulfide	Cyanide	Flammability	Beilstein	IodineSat	CharTest	Vapor	Other Comments
DR001	No Apparent Hazard	03/19/2015	Liquid	Purple	Light Oil	Opaque	No	Insoluble and floats	7	No	No	N/A	140 - 200°F	Yellow/Orange	Undetermined/ Uninterpretable	Tar	Vapors that ignite	
DR002	3 – Flammable and Combustible Liquids	03/19/2015	Liquid	Red	Light Oil	Opaque	No	Insoluble and floats	7	No	No	N/A	140 - 200°F	Yellow/Orange	Undetermined/ Uninterpretable	Tar	Vapors that ignite	
DR003	3 – Flammable and Combustible Liquids 8A – Acidic Corrosive Materials	03/20/2015	Liquid	Light Yellow	Less than Water	Clear	Yes	Miscible	2	No	No	N/A	<100°F	Yellow/Orange	Yellow/Orange	Tar	Vapors that ignite	
DR004	3 – Flammable and Combustible Liquids	03/20/2015	Liquid	Yellow	Light Oil	Clear	No	Insoluble and floats	7	No	No	N/A	>200°F	Yellow/Orange	Undetermined/ Uninterpretable	Tar	Vapors that ignite	
DR005	3 – Flammable and Combustible Liquids	03/20/2015	Liquid	Purple	Light Oil	Opaque	No	Insoluble and floats	7	No	No	N/A	>200°F	Yellow/Orange	Undetermined/ Uninterpretable	Tar	Vapors that ignite	
DR006	3 – Flammable and Combustible Liquids	03/20/2015	Liquid	Purple	Heavy Oil	Opaque	No	Insoluble and floats	7	No	No	N/A	>200°F	Yellow/Orange	Yellow/Orange	Non-charring residue	Vapors that ignite	
DR008	3 – Flammable and Combustible Liquids	03/20/2015	Liquid	Purple	Heavy Oil	Opaque	No	Insoluble and floats	7	No	No	N/A	>200°F	Yellow/Orange	Yellow/Orange	Non-charring residue	Vapors that ignite	Lighter in opacity than DR006
TK001	3 – Flammable and Combustible Liquids	03/18/2015	Sludge	Brown	Sludge	Opaque	No	Miscible	7	No	No	N/A	140 - 200°F	Yellow/Orange	Undetermined/ Uninterpretable	Tar	Vapors that ignite	
TK002	8B – Basic Corrosive Materials 3 – Flammable and Combustible Liquids	03/18/2015	Liquid	Light Yellow	Less than Water	Clear	Yes	Miscible	12	No	No	No	<100°F	Yellow/Orange	Yellow/Orange	Charring residue	Vapors that ignite	
TK003	3 – Flammable and Combustible Liquids	03/19/2015	Liquid	Yellow	Medium Oil	Translucent	No	Insoluble and floats	7	No	No	N/A	>200°F	Yellow/Orange	Undetermined/ Uninterpretable	Tar	Spiderweb Vapors	
TK004	8B – Basic Corrosive Materials 3 – Flammable and Combustible Liquids	03/18/2015	Liquid	Green	Light Oil	Translucent	No	Miscible	12	No	No	No	<100°F	Yellow/Orange	Undetermined/ Uninterpretable	Tar	Vapors that ignite	
TK005	3 – Flammable and Combustible Liquids 8B – Basic Corrosive Materials	03/18/2015	Liquid	Green	Light Oil	Translucent	No	Miscible	13	No	No	No	<100°F	Yellow/Orange	Undetermined/ Uninterpretable	Tar	Vapors that ignite	
TK007	No Apparent Hazard	03/19/2015	Liquid	Brown	Medium Oil	Translucent	No	Miscible	7	No	No	N/A	>200°F	Yellow/Orange	Undetermined/ Uninterpretable	Tar	Vapors that ignite	
TK009	3 – Flammable and Combustible Liquids	03/19/2015	Liquid	Clear	Less than Water	Clear	Yes	Miscible	7	No	No	N/A	<100°F	Yellow/Orange	Yellow/Orange	No residue	Vapors that ignite	
TK010	3 – Flammable and Combustible Liquids	03/19/2015	Liquid	Brown	Medium Oil	Translucent	No	Miscible	7	No	No	N/A	>200°F	Yellow/Orange	Undetermined/ Uninterpretable	Tar	Vapors that ignite	
TK014	3 – Flammable and Combustible Liquids	03/20/2015	Liquid	Yellow	Light Oil	Translucent	Yes	Insoluble and floats	7	No	No	N/A	>200°F	Yellow/Orange	Yellow/Orange	Tar	Vapors that ignite	Methanol fraction in solution with oil
TK015	3 – Flammable and Combustible Liquids	03/20/2015	Liquid	Yellow	Light Oil	Translucent	No	Insoluble and floats	7	No	No	N/A	>200°F	Yellow/Orange	Yellow/Orange	Tar	Vapors that ignite	
TK016	3 – Flammable and Combustible Liquids	03/20/2015	Liquid	Light Yellow	Light Oil	Translucent	Yes	Insoluble and floats	7	No	No	N/A	>200°F	Yellow/Orange	Yellow/Orange	Tar	Vapors that ignite	Methanol fraction in solution with oil
TK017	3 – Flammable and Combustible Liquids	03/20/2015	Liquid	Yellow	Light Oil	Clear	No	Insoluble and floats	7	No	No	N/A	>200°F	Yellow/Orange	Yellow/Orange	Tar	Vapors that ignite	Appears to be same as ion exchange tanks
TK018	No Apparent Hazard	03/21/2015	Liquid	Brown	Waterlike	Opaque	Yes	Miscible	7	No	No	N/A	Nonflammable	N/A	No Reaction	Non-charring residue	Vapors that do not ignite	Appears like water in oil
TK019	No Apparent Hazard	03/21/2015	Liquid	Brown	Waterlike	Opaque	Yes	Miscible	7	No	No	N/A	Nonflammable	N/A	No Reaction	Non-charring residue	Vapors that do not ignite	Appears like water in oil
TT010	3 – Flammable and Combustible Liquids	03/20/2015	Liquid	Yellow	Light Oil	Clear	No	Insoluble and floats	7	No	No	N/A	>200°F	Yellow/Orange	Undetermined/ Uninterpretable	Tar	Vapors that ignite	
TT011	3 – Flammable and Combustible Liquids	03/20/2015	Liquid	Yellow	Light Oil	Clear	No	Insoluble and floats	7	No	No	N/A	>200°F	Yellow/Orange	Undetermined/ Uninterpretable	Tar	Vapors that ignite	
TT027	3 – Flammable and Combustible Liquids	03/20/2015	Liquid	Yellow	Light Oil	Clear	No	Insoluble and floats	7	No	No	N/A	>200°F	Yellow/Orange	Undetermined/ Uninterpretable	Tar	Vapors that ignite	
TT030	3 – Flammable and Combustible Liquids	03/19/2015	Liquid	Yellow	Medium Oil	Translucent	No	Insoluble and floats	7	No	No	N/A	>200°F	Yellow/Orange	Undetermined/ Uninterpretable	Tar	Spiderweb Vapors	

ID	Hazard	Date	State	Color	Viscosity	Turbidity	Water	Solubility	pH	Oxidizer	Sulfide	Cyanide	Flammability	Beilstein	IodineSat	CharTest	Vapor	Other Comments
TT035	8B – Basic Corrosive Materials	03/19/2015		Clear	Light Oil	Clear	No	Miscible	14	No	No	No	Nonflammable	Yellow/Orange	N/A	Non-charring residue	Vapors that do not ignite	
TT036	3 – Flammable and Combustible Liquids	03/19/2015	Liquid	Brown	Medium Oil	Translucent	No	Insoluble and floats	7	No	No	N/A	>200°F	Yellow/Orange	Undetermined/ Uninterpretable	Tar	Vapors that ignite	
TT037	3 – Flammable and Combustible Liquids	03/20/2015	Liquid	Yellow	Light Oil	Clear	No	Insoluble and floats	7	No	No	N/A	>200°F	Yellow/Orange	Undetermined/ Uninterpretable	Tar	Vapors that ignite	
TT038	3 – Flammable and Combustible Liquids	03/19/2015	Liquid	Light Yellow	Waterlike	Translucent	No	Insoluble and floats	7	No	No	N/A	140 - 200°F	Yellow/Orange	Yellow/Orange	Tar	Vapors that ignite	Very little residue
TT040	8B – Basic Corrosive Materials 3 – Flammable and Combustible Liquids	03/19/2015	Liquid	Clear	Waterlike	Clear	No	Miscible	14	No	No	No	<100°F	Yellow/Orange	Undetermined/ Uninterpretable	Non-charring residue	Vapors that ignite	White substance formed in tube then charred after additional heating
TT041	8B – Basic Corrosive Materials 3 – Flammable and Combustible Liquids	03/19/2015	Liquid	Clear	Light Oil	Clear	No	Miscible	14	No	No	No	<100°F	Yellow/Orange	Undetermined/ Uninterpretable	Charring residue	Vapors that ignite	White substance formed in tube then charred after additional heating
TT042	8B – Basic Corrosive Materials 3 – Flammable and Combustible Liquids	03/19/2015	Liquid	Clear	Light Oil	Clear	No	Miscible	14	No	No	No	<100°F	Yellow/Orange	Undetermined/ Uninterpretable	Charring residue	Vapors that ignite	White substance formed in tube then charred after additional heating
TT043	8A – Acidic Corrosive Materials	03/19/2015	Liquid	Clear	Waterlike	Clear	Yes	Miscible	0	Strong Oxidizer	No	N/A	Nonflammable	Yellow/Orange	N/A	Non-charring residue	Vapors that do not ignite	
TT044	8A – Acidic Corrosive Materials	03/19/2015	Liquid	Clear	Waterlike	Clear	Yes	Miscible	0	Strong Oxidizer	No	N/A	Nonflammable	Yellow/Orange	N/A	Non-charring residue	Vapors that do not ignite	
TT046	9 – Miscellaneous Hazardous Materials 3 – Flammable and Combustible Liquids	03/19/2015	Liquid	Light Yellow	Waterlike	Translucent	Yes	Miscible	5	No	No	N/A	Nonflammable	Yellow/Orange	N/A	Non-charring residue	Vapors that do not ignite	Thin top layer appears to be some type of oil, bottom layer is slightly acidic water
TT047	8B – Basic Corrosive Materials	03/19/2015	Liquid	Clear	Light Oil	Clear	No	Miscible	14	No	No	No	Nonflammable	Yellow/Orange	N/A	Non-charring residue	Vapors that do not ignite	
TT049	3 – Flammable and Combustible Liquids	03/18/2015	Liquid	Yellow	Light Oil	Translucent	No	Insoluble and floats	7	No	No	N/A	>200°F	Yellow/Orange	Undetermined/ Uninterpretable	Tar	Vapors that ignite	
TT050	8A – Acidic Corrosive Materials	03/18/2015	Liquid	Clear	Waterlike	Clear	Yes	Miscible	0	No	No	N/A	Nonflammable	Yellow/Orange	N/A	Tar	Vapors that do not ignite	
TT051	8A – Acidic Corrosive Materials	03/19/2015	Liquid	Clear	Waterlike	Clear	Yes	Miscible	1	No	No	N/A	Nonflammable	Yellow/Orange	N/A	Tar	Vapors that do not ignite	
TT052	8B – Basic Corrosive Materials	03/18/2015	Liquid	White	Waterlike	Opaque	Yes	Miscible	13	No	No	No	Nonflammable	Yellow/Orange	N/A	No residue	Vapors that do not ignite	
TT053	9 – Miscellaneous Hazardous Materials	03/19/2015	Liquid	Clear	Waterlike	Clear	Yes	Miscible	8	No	No	N/A	Nonflammable	Yellow/Orange	N/A	No residue	Vapors that do not ignite	
TT054	3 – Flammable and Combustible Liquids	03/19/2015	Liquid	Yellow	Light Oil	Translucent	No	Insoluble and floats	7	No	No	N/A	>200°F	Yellow/Orange	Undetermined/ Uninterpretable	Tar	Spiderweb Vapors	
TT085	No Apparent Hazard	03/21/2015	Liquid	Green	Light Oil	Translucent	No	Insoluble and floats	7	No	N/A	N/A	Nonflammable	N/A	N/A	Charring residue	Vapors that do not ignite	
TT085	No Apparent Hazard	03/21/2015	Solid	Green	N/A	N/A	Yes	Insoluble solids	7	No	No	N/A	Nonflammable	N/A	N/A	Charring residue	Vapors that do not ignite	

ATTACHMENT D
Waste Manifest Summary

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Waste Manifest Summary for Odessa Biodiesel

Date	Waste Stream	Medium	Quantity	Weight	Manifest #	Carrier	Facility	Location
3/20/2015	UN3175 Waste Solids containing Flammable Liquid, N.O.S. (Methanol) 4.1 PGII	Drums	88	26,400 lbs	000120022 DAT	Stericycle	Burlington Environmental	Kent, WA
3/21/2015	Glycerin	Tanker Truck		31,100 lbs	WTI# 15-6287	WillTran Inc,	Whole Energy	Mt Vernon, WA
3/22/2015	NA1993 Combustible liquid, N.O.S. (biodiesel) Combustible Liquid, PGIII	Tanker Truck	3172 gal		000120033 DAT	Stericycle	Burlington Environmental	Tacoma, WA
3/2220/15	Material not Regulated by DOT (Washington State Dangerous Waste Only, Toxic) (Vegetable Oil)	Tanker Truck	4820 gal		000120014 DAT	Stericycle	Burlington Environmental	Tacoma, WA
3/23/2015	Material not Regulated by DOT (Washington State Dangerous Waste Only, Toxic) (Vegetable Oil)	Tanker Truck	3000 gal		000120013 DAT	Stericycle	Burlington Environmental	Tacoma, WA
3/24/2015	Material not Regulated by DOT (Washington State Dangerous Waste Only, Toxic) (Vegetable Oil)	Tanker Truck	2581 gal		000120035 DAT	Stericycle	Burlington Environmental	Tacoma, WA
3/24/2015	Material not Regulated by DOT (Washington State Dangerous Waste Only, Toxic) (Facility Debris)	Rolloff Container	1	9 Tons	000120047 DAT	Stericycle	Burlington Environmental	Tacoma, WA
3/24/2015	Material not Regulated by DOT (Washington State Dangerous Waste Only, Toxic) (Soap Stock)	Rolloff Container	1	3860 lbs	000120048 DAT	Stericycle	Burlington Environmental	Tacoma, WA
3/24/2015	UN1719 Waste Caustic Alkali Liquids, N.O.S. 8 PGII (Sodium Hydroxide, Potassium Hydroxide)	Drums	2	360 lbs	000120049 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1760 Waste Corrosive Liquids, N.O.S. 8 PGII (Hydrochloric Acid, Sulfuric Acid)	Drums	1	250 lbs	000120049 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1993 Waste Flammable Liquids, N.O.S. 3 PGIII	Drums	2	450 lbs	000120049 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1888 Waste Chloroform	Drums	1	150 lbs	000120049 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1950 Waste Aerosols, (Limited Quantity) 2.1	Drums	2	25 lbs	000120049 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN3139 Waste Oxidizing Liquid, N.O.S. 5.1 PGII	Drums	1	150 lbs	000120049 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN2920 Waste Corrosive Liquids, Flammable, NOS 8 (3) PGII (Potassium methylate, solution in methanol) RQ(D001=100)	Drums	1	20 lbs	000120049 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1263 Waste Paint Related Material 3 PGII RQ(D001=100)	Drums	9	2500 lbs	000120049 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1760 Waste Corrosive Liquids, N.O.S. 8 PGII (Hydrochloric Acid, Phosphoric Acid) 8 PGII RQ(D002=100)	Drums	2	200 lbs	000120049 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1289 Waste Sodium methylate solutions 3 (8) PGII	Tote	3	6600 lbs	000120050 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1824 Waste Sodium Hydroxide Solution 8 PGII	Tote	4	8800 lbs	000120050 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1830 Waste Sulfuric Acid 8 PGII	Tote	2	4400 lbs	000120050 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	Material not Regulated by DOT (Washington State Dangerous Waste Only, Toxic)	Drums	3	750 lbs	000120050 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1760 Corrosive Liquids, NOS (Ethanox) 8 PGII	Drums	5	1,500 lbs	000120050 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	Material not Regulated by DOT (Washington State Dangerous Waste Only, Corrosive)	Drums	5	2000 lbs	000120050 DAT	Stericycle	Burlington Environmental	Kent, WA

Date	Waste Stream	Medium	Quantity	Weight	Manifest #	Carrier	Facility	Location
3/24/2015	UN1325 Flammable Solids, Organic, NOS (Carbon) 4.1 PGIII	Drums	2	800 lbs	000120050 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN3175 Waste Solids containing Flammable Liquid, N.O.S. (Methanol) 4.1 PGII	Drums	39	11,700 lbs	000120050 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1993 Waste Flammable Liquids, N.O.S. 3 PGIII	Drums	5	1,500 lbs	000120050 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN1307 Waste Xylenes 3 PGII	Drums	1	300 lbs	000120050 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	Material not Regulated by DOT (Washington State Dangerous Waste Only, Corrosive) (Hydrated Lime)	Drums	1	250 lbs	000120050 DAT	Stericycle	Burlington Environmental	Kent, WA
3/24/2015	UN3265 Waste Corrosive Liquid, Acidic, Organic, NOS, (Citric Acid)	Tote	1	2200 lbs	000120050 DAT	Stericycle	Burlington Environmental	Kent, WA
3/25/2015	UN1230 Methanol, 8, 6.1	Tanker Truck		71,500 lbs	NA	KagWet	WholeEnergy	Anacortes, WA
3/25/2015	Glycerin	Tanker Truck		47,800 lbs	15-6296	WillTran Inc.	WholeEnergy	Mt. Vernon, WA
3/25/2015	Glycerin	Tanker Truck		45,300 lbs	15-6288	WillTran Inc.	WholeEnergy	Mt. Vernon, WA
3/25/2015	Material not Regulated by DOT (Washington State Dangerous Waste Only, Toxic) (Soap Stock)	Rolloff Container	1	9 tons	532975-15	Stericycle	Burlington Environmental	Arlington, OR
3/25/2015	Material not Regulated by DOT (Washington State Dangerous Waste Only, Toxic) (Soap Stock)	Rolloff Container	1	2 tons	532976-15	Stericycle	Burlington Environmental	Arlington, OR
3/26/2015	UN1230 Waste Methanol Solution, 3 PGII	Tanker Truck	4429 gal		000120016 DAT	Stericycle	Burlington Environmental	Tacoma, WA
3/27/2015	Material not Regulated by DOT (Washington State Dangerous Waste Only, Toxic) (Soap Stock)	Tanker Truck	4470 gal		000120141 DAT	Stericycle	Burlington Environmental	Arlington, OR
3/27/2015	Material not Regulated by DOT (Washington State Dangerous Waste Only, Toxic) (Glycerin)	Tanker Truck	2650 gal		000120140 DAT	Stericycle	Burlington Environmental	Arlington, OR